

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

DR-524

Effective Date: March 1, 2012

Reevaluation Date: **July 2013**

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Ultra Aluminum Clad Wood Terraspan Lift and Slide Doors, Non-Impact Resistant, manufactured by

Kolbe & Kolbe Millwork Co., Inc.
1323 South Eleventh Avenue
Wausau, WI 54401
(715) 842 - 5666

General Description:

System	Description	Label Rating	Design Pressure Rating	Hallmark Certification
1	Ultra Terraspan Lift and Slide Door; Four Panel w/ Pocket	LC-PG30 261x123 – SD SD-LC30 261 x 123	+30/-30	413-H-1085.00 413-H-1085.01
2	Ultra Terraspan Lift and Slide Door; Four Panel w/ Pocket	LC-PG50 231x99 – SD SD-LC50 231 x 99	+50/-50	413-H-1061.00 413-H-1061.01
3	Ultra Terraspan Lift and Slide Door; Two Panel no Pocket	LC-PG40 143x99 – SD SD-LC40 143 x 99	+40/-40	413-H-1053.00 413-H-1053.01

Product Dimensions:

System	Overall Size	Panel Size	Pocket Size
1	261.34" x 122.81"	54" x 120"	89.50" x 127"
2	231.34" x 98.81"	48" x 96"	51" x 102.5"
3	142.94" x 98.81"	72" x 96"	N/A

Hardware:

- Active Panel: 4-point full locking drive gear with 4 locking lugs on the frame (System 1); One (1) required; Located on the side jamb.
- Active Panel: 3-point full locking drive gear with 4 locking lugs on the frame (Systems 2 and 3); One (1) required; Located on the side jamb.
- Panel roller carriage assembly (corner drive, end roller, middle roller, linkage, linkage pin); One (1) required; Located on the bottom of the panels.
- Operating handle (LSI); One (1) each; Located on the active panel.

Hardware (continued):

- Handle plate w/swinging cover; One (1) each; Located on the least active panels.

Product Identification (Certification Agency Label on Door):

System		
1-3	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork Co., Inc.
	Product Name	Ultra Terraspan Lift and Slide Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

INSTALLATION INSTRUCTIONS

Installation: The wood wall framing members shall be minimum Southern Yellow Pine dimension lumber. The door shall be secured to the wall framing utilizing the head jamb jacks and the side jamb jacks with minimum No. 10 x 3" long screws in pairs. The fasteners along the head jamb jacks shall be spaced approximately 5-6 inches from each end and approximately 20 inches on center. The fasteners along the side jamb jacks shall be spaced approximately 4-5 inches from each end and approximately 25 inches on center. The sill shall be secured to the wall framing with minimum No. 14 x 3" screws in pairs spaced approximately 6 inches from each end and approximately 20 inches on center. The locking lugs are secured through the side jamb and into the wall framing with minimum No. 10 x 3" screws. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.